

Abstract

This invention relates to new fluorescence dyes from the class of cyanine dyes, especially indotricarbocyanines with an absorption and fluorescence maximum in the spectral range of 700 to 900 nm, a thiol-specific reactive group, and three, preferably four, sulfonate groups, to an increase of water solubility as well as the production of dyes. This invention also relates to the conjugates of these dyes with biomolecules and uses thereof.